

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Carolina Alonso

GENERAL INFORMATION:

Name:	Texas Gas Transmission, LLC. Hanson Compressor Station
Address:	7095 Brown Rd, Madisonville, KENTUCKY
Date application received:	3/30/2006
SIC/Source description:	4922, Natural Gas Transmission
Source ID #:	21-107-00154
Source A.I. #:	44341
Activity #:	APE20060001
Permit number:	F-06-028

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)*	Potential (tpy)
PM/PM ₁₀	NA	0.70
SO ₂	NA	0.04
NO _x	NA	15.78
CO	NA	56.36
VOC	NA	17.07
Single HAPs - formaldehyde	NA	≤ 9.00
Source wide HAPs	NA	14.38

* Source previously registered source only.

SOURCE DESCRIPTION:

Texas Gas Transmission, LLC is the owner and the operator of the Hanson Compressor Station, which is currently a minor source pursuant to 401 KAR 52:020, Title V permits.

Texas Gas is proposing to replace two reciprocating compressor engines (RC03 & RC04) and the glycol dehydration system (GD02). The project also includes the replacement of the emergency generator and the installation of a new boiler. Potential emissions for the new equipment will be above the major source threshold for hazardous air pollutants(HAPs). The source has elected to accept federally-enforceable operating limits in order to preclude applicability of 401 KAR 52:020, Title V permits.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Texas Gas has requested voluntary limits to preclude the applicability 401 KAR 52:020, Title V permits. Operating and emission limits are as follows:

Emission Point	Pollutant	Operating limit	Emission limit
RC03 & RC04	Formaldehyde (HAP)	11,500 total operating hours per year	-
GD02	Benzene, Toluene, and Xylenes (HAPs)	Thermal Oxidizer shall be operating at all times GD02 is in operation.	-
Source wide	VOC	-	90 ton per year
	Single HAP	-	9 ton per year
	Combined HAPs	-	22.5 ton per year

OPERATIONAL FLEXIBILITY:

NA